



STAINLESS STEEL TUBULAR EXHAUST SYSTEM #6661

Application: 1992-'95 Chevrolet & GMC Suburban; 2500 Series, 2 & 4 W.D.,
7.4L V8 w/T.B.I., automatic & std. transmission, w/o A.I.R.

INSTRUCTIONS

PLEASE study these instructions carefully before installing your new Tubular Exhaust System (T.E.S.). If you have any questions or problems, do not hesitate to contact our Technical Hotline at : 1-800-416-8628.

TUBULAR EXHAUST SYSTEM: These components are designed as a system to improve the exhaust efficiency of the GM 7.4 Liter T.B.I. (Throttle Body Injection) V8 engine. They are constructed of 409 HP stainless steel to better withstand the high heat present with the T.B.I. engine, especially when used for towing or other heavy duty applications. The stainless steel used for these systems is much more durable than mild steel, although it does not appear different in appearance. These systems come with a coat of black paint for good looks and protection during shipping and storage, and they can be identified by the part numbers on each of the major components. Note that a magnet will stick to this type of stainless steel; magnetic attraction is not a valid test for these systems. A performance gain can be expected by the installation of the system. This system requires no welding for installation and retains all O.E.M. emissions equipment.

SUGGESTED TOOLS FOR INSTALLATION: This vehicle has some metric fasteners.

3/8 ratchet socket set with extensions and universal 13mm and 15mm swivel sockets

Combination set of open-end wrenches

Jackstands, screwdrivers, pliers, crescent wrench, etc.

Drill motor and 7/32" drill bit

Liquid penetrant, (GM #1052627) anti-seize compound (GM #5613695)

WARNING: The use of Thermal Wrap materials will void the warranty on your Tubular Exhaust System. Those products can cause excessive heat and moisture buildup resulting in corrosion of the system.

SPECIAL NOTICE: This Edelbrock part has received an Executive Order number (E.O. #) from the California Air Resources Board (C.A.R.B.) making it legal for street use on pollution-controlled motor vehicles in all 50 states. To assist you with emissions equipment certification, we have included a silver fan shroud decal to help testing personnel verify that this part is a legal replacement part on the vehicle for which it is cataloged. The adhesive-backed decal should be affixed to your fan shroud next to the existing emission and engine specification decal. Do not cover your original equipment specification decal with the Edelbrock fan shroud decal.

NOTE: High temperature spark plug wires and boots are recommended to withstand heat from TES.

DISASSEMBLY - LEFT SIDE

1. Disconnect negative cable from battery.
2. Use penetrating oil on all nuts and bolts to be removed. This will prevent the possibility of broken or stripped nuts and bolts
3. Remove air cleaner system (note position of line and hose connections).
4. Disconnect A.I.R. (air injection reactor) tube from exhaust manifold (if applicable).
5. Disconnect spark plug wires.
6. Disconnect temperature sensor wire.
7. Remove bolts and exhaust manifold.

DISASSEMBLY - RIGHT SIDE

1. Remove air cleaner box.
2. Remove air conditioning hose bracket under air cleaner box (if applicable).
3. Disconnect spark plug wires.
4. Remove dipstick and both sections of dipstick tube.
5. Remove bolts and exhaust manifold.
6. Clean exhaust flange surfaces on cylinder heads at this time.
7. Drill two 7/32" holes in the inner fender well panel and pull heater hoses to panel and secure with clamps provided.

DISASSEMBLY - CROSSOVER PIPE

1. Raise vehicle and support with jackstands.

2. Remove O2 sensor, being careful not to rupture or destroy the unit.

WARNING: Do not clean this unit in any cleaning solvent and do not rupture wire.

3. Making sure the converter is cool, remove the exhaust crossover pipe. You may find it helpful to clamp the converter to the crossmember using pieces of wood and C-clamps. This will allow you to work the crossover pipe loose from the converter more easily. If the pipe is frozen to the converter, it can be heated with a Propane torch (or equivalent) to help loosen the joint.
4. Unbolt air conditioning support bracket on frame and use a crescent wrench to bend bracket end approximately 5 to move hoses away from exhaust manifold (see Figure 1).

ASSEMBLY - LEFT SIDE

1. Install T.E.S. flange gasket and one 3/8"-16 x 1" bolt, lock washer, and flat washer at rearmost bolt hole (leave bolt loose enough to accept T.E.S.).
2. Install left side T.E.S. manifold from bottom side.
3. Install all bolts and washers on left side and tighten.
4. Replace original equipment spark plug ends on cylinders #5 and #7 with 60 connectors and boots provided in kit.

- 5 Re-connect spark plug wires on left side.
- 6 Re-install temperature sensor wire to temperature sensor.

ASSEMBLY - RIGHT SIDE

- 1 Install T.E.S. flange gasket and one 3/8"-16 x 1" bolt, lock washer and flat washer at rearmost bolt hole (leave bolt loose enough to accept T.E.S.).
- 2 Install dipstick tube and right side T.E.S. manifold from top side.
- 3 Install remaining bolts and lock washers. Use original equipment stud-bolt to re-attach dip stick bracket.
- 4 Align all parts and tighten all right side bolts at this time.
- 5 Replace original equipment spark plug ends on cylinders #4, #6 and #8 with 60 connectors and boots provided in kit.
- 6 Re-connect right side spark plug wires.
- 7 Discard O.E.M. heat stove pipe and replace with flexible tubing supplied (if applicable).
- 8 To prevent contact with the hot T.E.S. tubing, use nylon tie wrap (supplied) to secure the heater hose to the a.c. dryer.

CROSSOVER PIPE ASSEMBLY

- 1 Slip crossover pipe into Y-pipe assembly and extension tube onto Y-pipe assembly outlet (do not clamp).
- 2 Place donut gaskets on extensions and slip tube into muffler inlet. Align parts and start flange bolts
- 3 Check alignment of all parts then secure bolts
- 4 Install U-clamps and tighten all nuts and bolts
- 5 Re-install O2 sensor. Use anti-seize on threads of sensor and torque to 30 ft./lbs. Re-route O2 sensor wire from wire loom to O2 sensor making sure all wires are clear of exhaust system (O2 sensor extension wire is included in kit).
- 6 Lower vehicle to the ground.

CAUTION: Before operating your vehicle, check to ensure that there is adequate clearance between all parts of your TES (including A.I.R. tubes) and all brake lines, fuel lines, spark plug wires, etc.

HARDWARE SUPPLIED

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|---------------------------------------|---|
| 1- Manifold left side #25-9057 | 1- Flex tubing, heat stove to air cleaner |
| 1- Manifold right side #25-9096 | 4 Hex bolt, 3/8"-16 x 2" |
| 1- Extension pipe right side #25-9563 | 20- Lock washers, 3/8" |
| 1- Extension pipe left side #25-9562 | 2- Tie wraps, 10" |
| 1- Muffler extension #25-9564 | 1- Bolt 3/8-16 x 1-3/4" |
| 4 Flat washers, 3/8" | 1- Spacer tube 5/8 x .724" |
| 16- Hex header bolts, 3/8"-16 x 1" | 2 Band-clamps |
| 1- Flange connector | 2 Hex nuts, 10-32 |
| 1- U-clamp, 2-1/2" | 2 Hex cap screws, 10-32 x 1" |
| 1- U-clamp, 3" | 5 Spark plug boots |
| 2 Chevy V8 port gaskets | 5 Spark plug boot ends |
| 2 Donut gaskets, 2-1/2" | 2 Star washers; 3/16" |



Figure 1

Bend air conditioning support bracket approximately 5 using crescent wrench. Be sure that there is adequate clearance between the hose's aluminum tubing and right side inner fender panel after support bracket is bent.

PLEASE complete and mail your warranty card. Be sure to write the model number (#6661) in the Part #____ space.

THANK YOU.